

Kim Julius Sale

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SUMMARY

Software Engineer with a B.S. in Computer Science and hands-on experience architecting cloud-native AI applications. Proven ability to build production-grade full-stack systems using React, Node.js, and Docker, with a focus on CI/CD automation and scalable infrastructure. Brings 10 years of operational excellence in high-stakes aerospace environments to deliver rigorous software reliability and user-centric engineering solutions.

EDUCATION

Bellevue College

Bachelor of Science in Computer Science

Bellevue, WA

June 2025

Relevant Coursework: Software Engineering, Database Systems, Data Structures, Algorithms

Ancora Training

Web and App Development

Online

Feb. 2025 - Aug. 2025

Curriculum Focus: Web Fundamentals, Modern CSS & Responsive Design, Advanced JavaScript (APIs, JSON), and SPA Development

TECHNICAL & PROJECT

AI-Powered Terminal Portfolio | [\[Live Demo\]](#)

Full-Stack Engineer

- Architected a full-stack conversation AI platform that parses PDF resumes and answers recruiter queries in real-time using a custom-tuned LLM persona (Gemma 3 12B).
- Engineered a production-grade DevOps pipeline using Docker for containerization and GitHub Actions for automated testing (Jest) and deployment to IBM Cloud and GitHub Pages..
- Developed a responsive, terminal-style UI with React and Vite, implementing environment-aware configuration to seamlessly switch between local development and cloud production APIs.
- Optimized backend performance by implementing PDF text extraction and prompt engineering to reduce token usage while maintaining high accuracy in candidate data retrieval.

Virtual Keys | [\[GitHub\]](#)

Product Manager, Software Engineer, Lead Developer

- Architected a Virtual Reality learning environment in Unity 3D (C#), integrating the XR Interaction Toolkit to gamify music education through real-time instrument visualization.
- Engineered a custom C# MIDI parsing algorithm to decode complex musical data streams, reducing input latency to under 20ms for seamless audio-visual synchronization.
- Implemented modular software architecture patterns to decouple input handling from the rendering pipeline, improving code maintainability and system scalability.
- Orchestrated the development lifecycle for a 4-person team, establishing Git branching strategies and code review protocols that maintained 100% project integrity.

TECHNICAL SKILLS

Languages: C#, JavaScript (ES6+), Python, SQL, C++, HTML5, CSS3

Front-End: React.js, Vite, Bootstrap, Tailwind CSS, Responsive Design, DOM Manipulation

Back-End: Node.js, Express.js, RESTful APIs, PDF Parsing, Prompt Engineering (LLM), MIDI Processing

Cloud & Developer: Docker, IBM Cloud, Kubernetes concepts, Github Actions (CI/CD), Jest (Testing)

Tools: Git/ GitHub, Visual Studio Code, npm, Unity XR

Methodologies: Agile/ Scrum, Data Structures & Algorithms, Debugging & Performance Optimization

PROFESSIONAL EXPERIENCE

- Hilton** — Banquets - Houseperson, Captain | SEATAC, WA Mar. 2023 - PRESENT
- Direct execution of large-scale corporate events for 500+ attendees, ensuring strict adherence to Banquet Event Order (BEO) specifications.
 - Optimize logistical workflows, reducing setup/teardown turnaround time by 25% through strategic inventory management.
- MM Distribution** — Manager | TUKWILA, WA Jul. 2021 - Dec. 2022
- Oversaw global supply chain operations, scaling inventory capacity by 150% to support business expansion; Instituted safety standards achieving a 100% safety record.
 - Negotiated resolution for critical vendor discrepancies, ensuring supply chain continuity and preserving key partnerships.

PREVIOUS HISTORY (2014 – 2021)

- Furnace Operator Level II | Exotic Metals Forming (2020 – 2021) – *Maintained AS9100/ISO 9001 compliance.*
- Mechanic | Boeing (2018 – 2019) – *Diagnosed and repaired mission-critical avionics systems.*
- Dispatcher | Swissport (2014 – 2018) – *Managed regulatory compliance for flight operations.*